

ABSTRACT OF THE DISCLOSURE

The present invention provides a method for producing a novel β -lactam antibiotic from a protoplast fusion strain. The method is to fermentatively culture the protoplast fusion strain of *Penicillium chrysogenum* and
5 *Cephalosporium acremonium*. The ferment filtrate is isolated, lyophilized, and extracted by acetone or acetone/methanol. The extract is concentrated by decompression, and then analyzed by preparation type HPLC to isolate the active antibiotic compound.